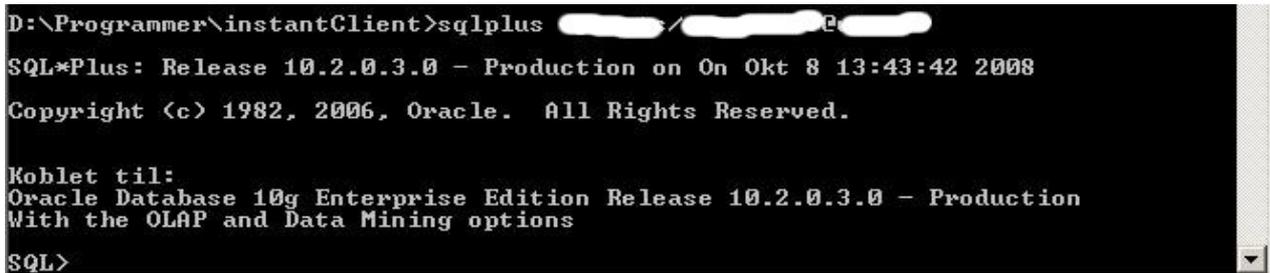# "HowTo" create a View in a DataBase in general

In this guide we use an Oracle DataBase, but the principle is the same for all DataBases, though there may be differences in code syntax from one DataBase to another.

The approach steps will be:
1. Connect to the DataBase using a "SQL commander console".
2. Create a script that creates a new View.
3. Run the script in the DataBase (creates the view)

1. Connect to the DataBase using a "SQL commander console":
In this example we use SQL*Plus as a "commander console", but any console you can write SQL's in can be used.


```
D:\Programmer\instantClient>sqlplus         /         @

SQL*Plus: Release 10.2.0.3.0 - Production on On Okt 8 13:43:42 2008

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Koblet til:
Oracle Database 10g Enterprise Edition Release 10.2.0.3.0 - Production
With the OLAP and Data Mining options

SQL>
```

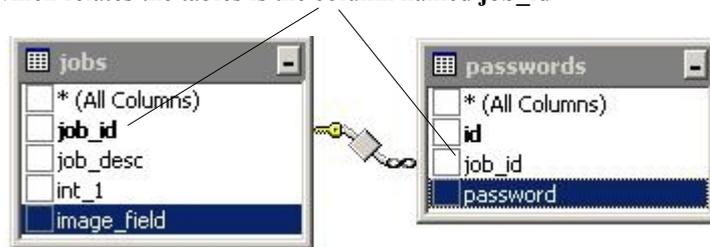## 2. Create a script that creates a new View:

Create View Syntax:

```
CREATE VIEW view_name AS
(
SELECT  column_name(s)
FROM    table_name(s)
WHERE  relation condition
)
```

When applying these syntax rules we can create any view of any DB table(s) column(s).

Example:
- We have 2 tables which we'd like to combine in a View.
- The table **jobs** have a column named **image_field** which contains document-data.
- The table **passwords** have a column named **password** which contains the corresponding password for the documents.
- The ID which relates the tables is the column named **job_id**

We would like the view to be named jobDocsAndPasswords, and contain the document-data with the corresponding passwords.

The script for creating this view would be:

```
CREATE VIEW  jobDocsAndPasswords AS
(
SELECT          jobs.image_field, passwords.password
FROM            jobs, passwords
WHERE           jobs.job_id = passwords.job_id
)
```

Explaining the script (line by line):

CREATE VIEW jobDocsAndPasswords AS
- Here we say that we want to create a view named jobDocsAndPasswords.

SELECT   jobs.image_field, passwords.password
- These are the columns you'd like the view to contain.
- Note that the syntax is <Table-name>.<Column-name>

FROM   jobs, passwords
- These are the name of the tables containing the columns selected above.

WHERE   jobs.job_id = passwords.job_id
- Here we specify the ID which relates the 2 tables, which is job_id
- Note that the syntax is <Table-name>.<Column-name>

3. Run the script in the DataBase:

The script is run in the "SQL Commander Console" (ref. step no. 1)

```
SQL> CREATE VIEW          jobDocsAndPasswords AS
  2  (
  3      SELECT  jobs.image_field, passwords.password
  4      FROM    jobs, passwords
  5      WHERE   jobs.job_id = passwords.job_id
  6  )
  7  ;

Utsnitt opprettet.

SQL>
```

Verify that the view is created successfully.

You can now access this View from DEX! :-)